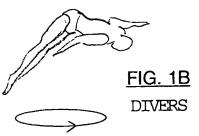
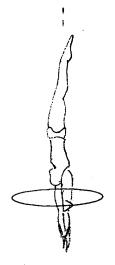
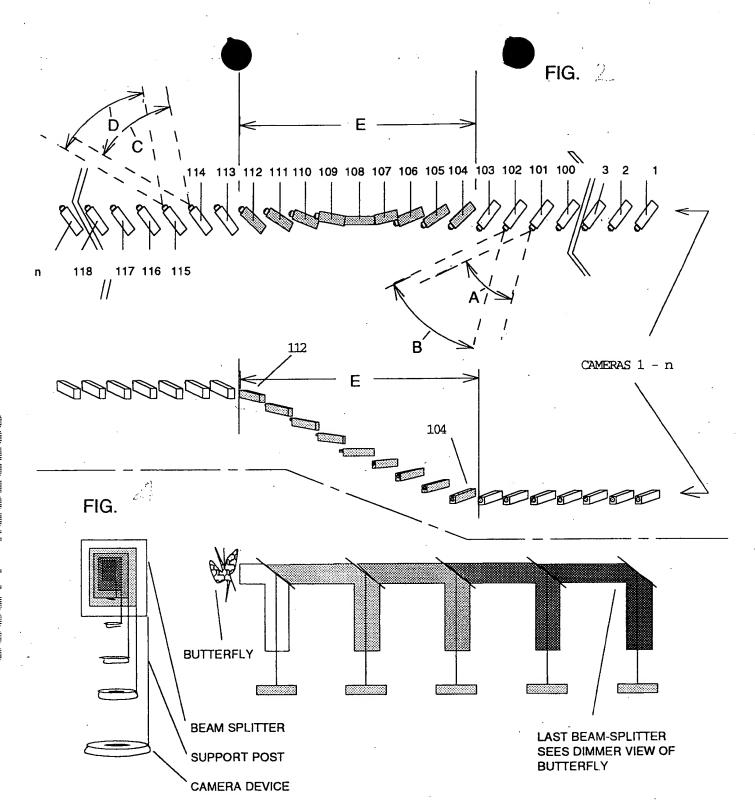
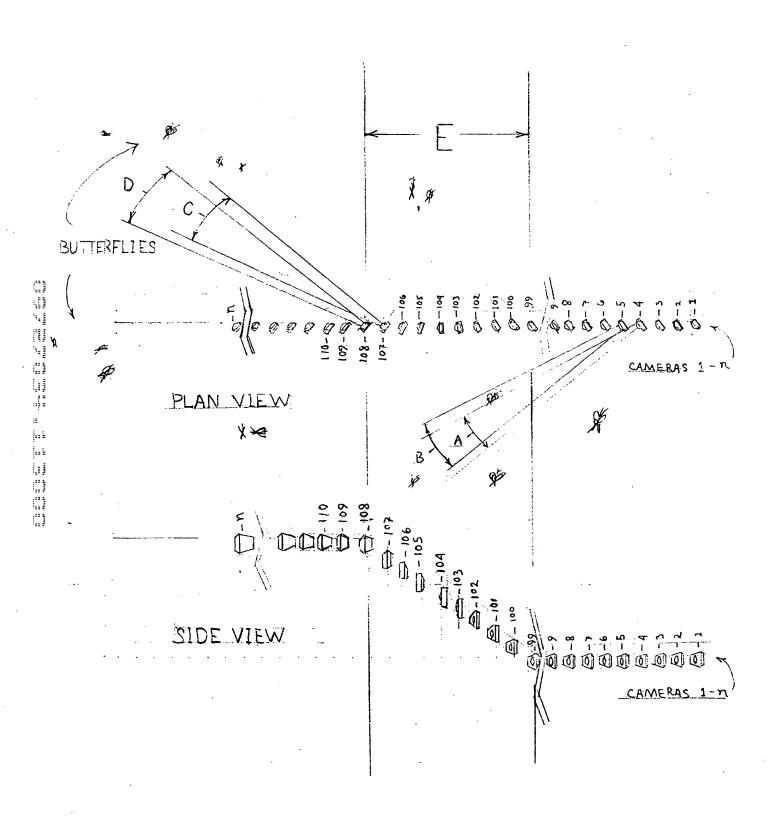
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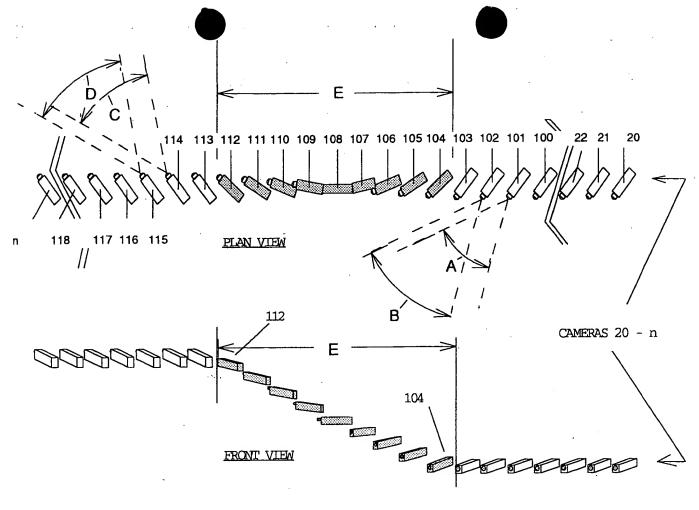
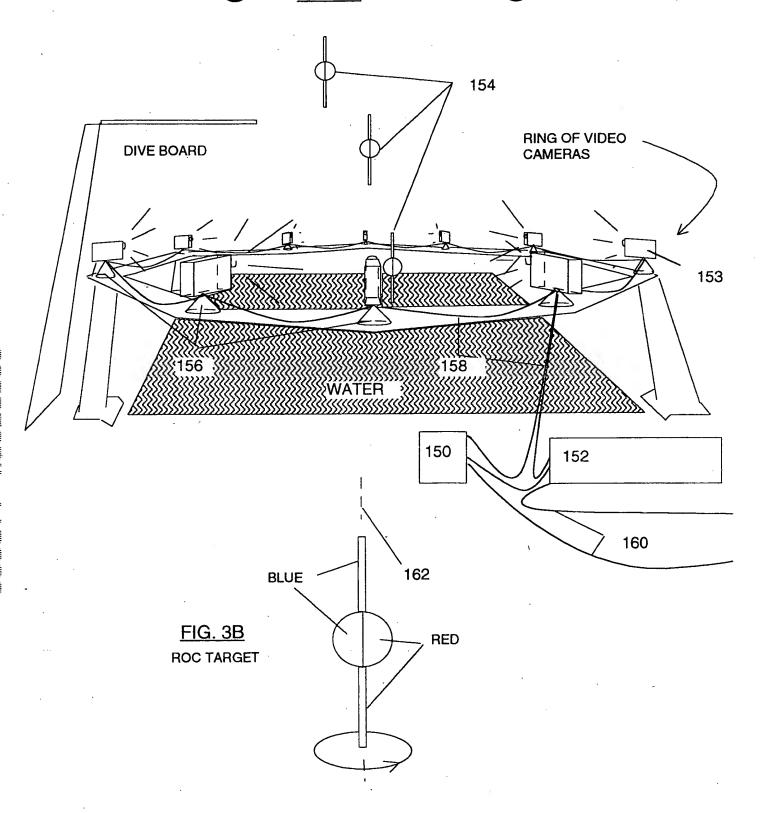


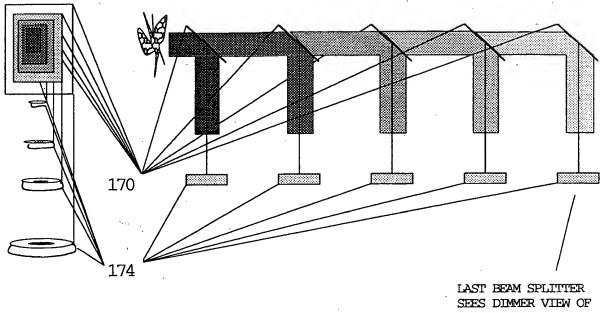
FIG. 2

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BUTTERFLY

- Get hue and intensity values of target surface reflectance characteristics from operator
- 20 Get ideal image shape, size, and location in final display image from operator
- 30 For camera x to n, Grab and store image from camera x.
- Load image x into memory location. Look for pixel hue and/or intensity values which are close to those in 10 to find actual x target image
- Compare ideal target shape, size and location with actual x image shape, size and location. Make record of changes in target image from x as aimed to bring actual into coincidence with ideal.
- 60 Increment x and repeat lines 20 to 60 until x equals n.

(ROC (Record of Changes) file has been created to adjust recorded or displayed images.)

### FIG. 6

- 10 Get hue and intensity values of target surface reflectance characteristics from operator
- 20 Get ideal image shape, size, and location in final display image from operator
- 30 For camera x to n, Grab and store image from camera x.
- Load image x into memory location. Look for pixel hue and/or intensity values which are close to those in 10 to find actual x target image.
- Compare ideal target shape, size and location with actual x image shape, size and location. Make record of changes in camera aim, orientation, focus, focal length, to bring actual into coincidence with ideal.
- 60 Increment x and repeat lines 20 to 60 until x equals n.

(ROC (Record of Changes) file has been created to adjust cameras. Cameras would be adjusted under computer control, according to this ROC file by remote mechanical or electromechanical means. This procedure would be repeated if necessary to update ROC file between adjustments, to fine tune camera array.)

- For cameras x to n, grab and record images of subject illuminated by different colored light points. Load camera image x and x+1 into raster display. memories
- 20 Identify location in raster display memories where same-color light points reside. Record these locations as morph point pairs between camera x and camera x+1 images.
- For cameras x to n, grab and record images of subject illuminated by white light. Load camera images x and x+1 into raster display memories.
- Match subject image x with morph point data x. Match subject image x + 1 with morph point data x + 1.
- Move screen location and hue and brightness values of morph point pixels in image 1 so that they transform incrementally on screen, according to well known interpolation, to produce the desired effect.
- 60 Repeat for sequential pairs of cameras.

\*\*\*\*\*\*\* Method to squeece more "frames" of visual data onto a length of color film.\*\*\*\*\*\*

In our array method, we may choose to squeeze camera elements densely together, filling gaps in our array. At some point, we might want to employ the following method to more densely pack our lens elements.

We could also shoot traditional motion pictures using less film if we employed this method.

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framel frame? frame?

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de 2 2/3 frames of film, we can squeeze 6 camera images.

Red line only passes red light, which only registers on red large of emulsion. Etc... 6 reen. Blue.

This arrangement could work in a treatitional motion preture camera.

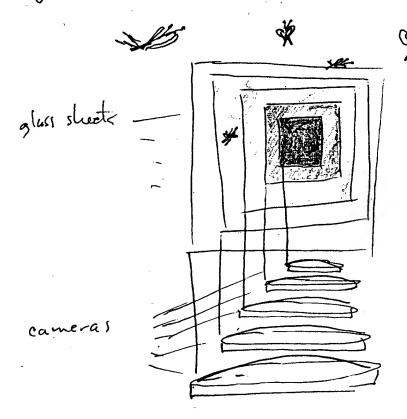
It's line would be filtered & poor red light to a full frame, Then Exp sec. later, treeon & The some location, then blue. Transport much would then advance film & ment frame. On, projection we'd reverse the process.

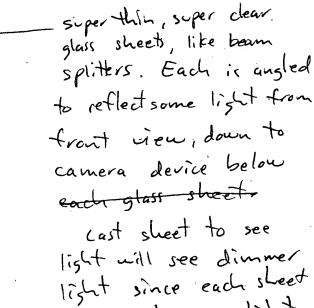
Projecting the red, then green, then blue images recorded upon the frame of film, at 'Exp second intervals. The rapid puccession of colored winess should form a full color, full motion effect.

I'm not sure, bowever, that the exercising of the R, G, B layers this completely. But some day 7. Some day Room, film will be obsolute.

6 1994, Greg Carly.

a away of this type is we gue, keause it is compared of corners which can see through one another, allowing some interesting possibilities when employing our Ochain-comers on method.



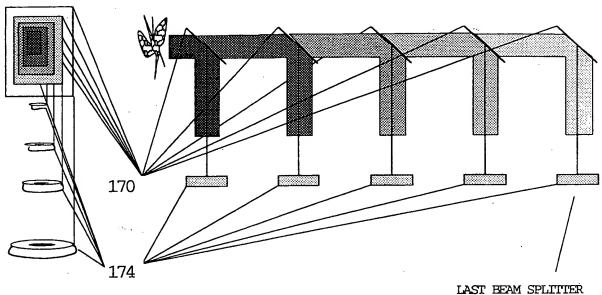


light will see dimmer light since each sheet will vob some light. But, we'll know the amount lost at each sheet and can computer to produce acceptable replay.

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FIG. 3A



LAST BEAM SPLITTER SEES DIMMER VIEW OF BUTTERFLY

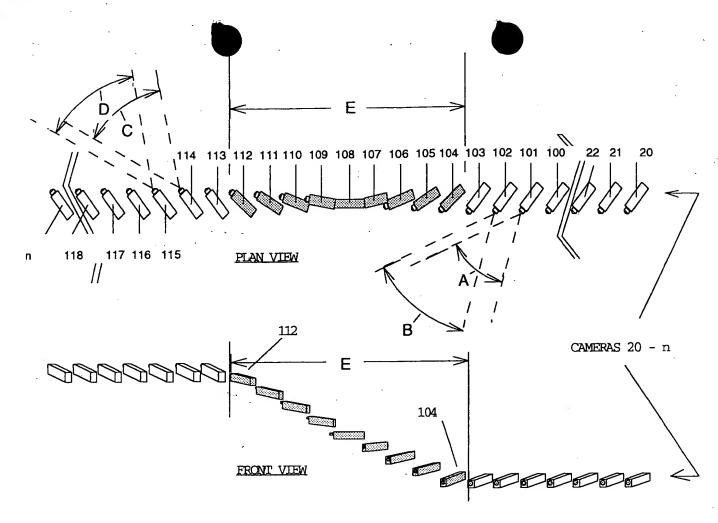


FIG.